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County Council of Durham.

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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE QUARTER ENDED

30th SEPTEMBER, 1934.

VITAL STATISTICS.

1. The health of the administrative county during the past quarter, as judged by the vital statistics, was very satisfactory, the total death-rate being 9·4 per 1,000 population compared with 12·2 in the previous quarter and 9·7 in the corresponding quarter of last year ; while the infant mortality rate was equal to 53 per 1,000 births registered, compared with 72 in the previous quarter and 71 in the corresponding quarter of last year.

2. The lowest total death-rates during the quarter occurred in the Leadgate (6·9) and Billingham (7·0) urban districts, and in the Hartlepool (4·6) and Darlington (6·8) rural districts ; while the districts with the highest mortality statistics were the Annfield Plain (14·3) and Stanhope (14·3) urban districts, and the Barnard Castle (12·5) and Stockton (10·7) rural districts.

3. The death-rate from the principal infective diseases was equal to 0·44 per 1,000 population, and shows a decrease compared with that for the previous quarter (0·65) and for the corresponding quarter of last year (0·54).

4. It is satisfactory to record that the death-rate from pulmonary tuberculosis (0·54 per 1,000 population) is the lowest rate ever recorded in this administrative county during any quarter, the previous lowest being 0·57 during the September quarter of 1932.

5. The birth-rate during the quarter was 17·2 per 1,000 population, and shows a decrease compared with the previous quarter (18·2).

INFECTIOUS DISEASES.

6. Scarlet fever was again prevalent throughout the administrative county during the past quarter, a slight increase being recorded in the number of notifications received from 1,555 in the previous quarter to 1,574 during the past quarter. A decrease was, however, recorded in the number of deaths registered from this disease from 22 in the previous quarter to 15 during the past quarter.

7. A large increase was recorded in the number of cases of diphtheria notified from 355 in the June quarter to 581 during the past quarter. An increase was also recorded in the number of deaths registered from 28 in the previous quarter to 41 during the past quarter.

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8. A considerable increase was also recorded in the number of notifications of cases of enteric fever notified during the past quarter, the number of cases reported being 61 compared with 3 in the previous quarter. Of the total cases notified 20 occurred in the Lanchester rural district, 16 in the Durham urban district, and 12 in the Durham rural district. Forty-five of the cases occurred during the first three weeks of the quarter. Investigations were immediately made by the local medical officers of health of these areas, and appropriate steps taken to limit the spread of infection.

9. There were 4 notifications of puerperal fever and 26 notifications of puerperal pyrexia compared with 15 and 29 respectively in the previous quarter. During the quarter, 14 cases were admitted to hospitals under the county scheme, and the services of consultants were utilised in 4 cases.

10. The number of notifications of ophthalmia neonatorum received during the quarter was 19 compared with 31 in the preceding quarter. In-patient hospital treatment under the county scheme was provided in respect of 5 cases.

11. The number of deaths registered from measles was 17 compared with 48 in the previous quarter, while the deaths from whooping cough numbered 9 compared with 23 in the previous quarter. Diarrhœa and enteritis under 2 years of age was responsible for 19 deaths compared with 24 in the preceding quarter.

CLERICAL STAFF.

12. The following member of my clerical staff has been absent from duty during the quarter on account of sickness :—

G. Duff, from 13th July to 16th September inclusive,

and I recommend that he be granted sick leave with salary in accordance with the county arrangement, less National Health Insurance Benefit.

VACCINATION.

13. PUBLIC VACCINATOR—No. 16 (QUEBEC) DISTRICT.—I have received the resignation, as from 31st August, 1934, of Dr. D. Young, of 234, Hawkhills Terrace, Cornsay Colliery, Public Vaccinator for this district, which comprises the parishes of Cornsay, Hedley Hope, Satley and South Cornsay, and the Quebec Ward of the Parish of Esh. I have appointed as his successor, subject to your confirmation and the approval of the Minister of Health, Dr. H. Bankhead, of 234, Hawkhills Terrace, Cornsay Colliery, as from 1st September, 1934, on the same scale of fees as applied to Dr. Young, *i.e.*,

			Subsequent Cases.
Births		1/-	
Primary Vaccination	at Home of Patient	5/-	5/-
Do.	at Surgery	2/6	2/6
Re-Vaccination	at Home of Patient	5/-	2/6
Do.	at Surgery	2/6	2/6

* *More than one person vaccinated at the same place within* 24 *hours.*

14. VACCINATION OFFICER—AYCLIFFE DISTRICT.—I have received the resignation, as from 31st July, 1934, of Mr. J. W. Davidson, Public Assistance Offices, East Street, Darlington, Vaccination Officer for this district, which comprises the parishes of Archdeacon Newton, Aycliffe Great, Brafferton, Coatham Mundeville, Coniscliffe High, Coniscliffe Low, Denton, Heighington, Houghton-le-Side, Killerby, Piercebridge, Redworth, School Aycliffe, Summerhouse, Walworth, and Whessoe. I have arranged, subject to your confirmation and the approval of the Minister of Health, for Mr. W. W. Davison, Public Assistance Offices, East Street, Darlington, to take over this district in addition to his own, namely the Hurworth District, as from 1st August, 1934, on the same scale of fees as applied to Mr. Davidson, *i.e.*,

Births	8d.
Certificates	2/-
Transfers	2/-

INFECTIOUS DISEASE

HOUSING, TOWN PLANNING, ETC., ACTS.

15. I have to report that no copies of Closing Orders have been received during the quarter. A copy of the following Order has, however, been received :—

Houghton-le-Spring R.D.—Order for Demolition of Dwelling-house on Breach of Undertaking.

MILK AND DAIRIES (CONSOLIDATION) ACT, 1915.

16. Return of milk samples submitted by inspectors of weights and measures for bacteriological examination during the quarter ended 30th September, 1934 :—

Total number of samples submitted.	Number in which tubercle bacilli were found.	Number free from tubercle bacilli.	*Number for which report not yet received.
87	3	33	51

* Of the 25 samples outstanding at the end of last quarter, 3 were found to contain tubercle bacilli.

DISEASES OF ANIMALS.

TUBERCULOSIS ORDER, 1925.

17. During the past quarter tuberculous disease was reported on 112 premises, and on inspection disease was found by the veterinary inspectors to exist on 85 of these premises. The total number of animals examined by the veterinary inspectors was 2,680, and of these 22 were reported to be suffering from tuberculosis of the udder ; 9 suffering from tuberculous emaciation, and 57 as having chronic cough and showing definite clinical signs of tuberculosis. The total number of animals slaughtered on account of tuberculosis was 88, and it was found on post-mortem examination that 27 had tuberculosis of the udder, 7 tuberculous emaciation, and 54 proved to be otherwise affected with tuberculosis. Of the total animals inspected, 1,606 were cows in milk ; of these 101 were reported as diseased, and the presence of disease was confirmed in 78 cases by post-mortem examination. During the three months 13 samples of milk were examined for tubercle bacilli, 5 of which were found to be positive.

MILK AND DAIRIES ORDER, 1926.

18. During the quarter the veterinary officers visited 1,042 farms and examined 9,965 animals in the course of their routine work under the above Order, as a result of which 35 animals were found to be suffering from tuberculosis, and were accordingly slaughtered. Of these slaughtered animals 34 were cows in milk. On post-mortem examination tuberculosis of the udder was found to exist in 18 cases, the remainder being otherwise affected with tuberculosis. These 35 animals are included in the total number shown as having been slaughtered under the Tuberculosis Order.

TREATMENT OF TUBERCULOSIS.

19. I have received the following report from the Central Tuberculosis Medical Officer, and on page 63 will be found a tabulated statement with reference to cases of tuberculosis dealt with during the past quarter :—

(1) The following statement shows the number of cases together with the various forms of treatment recommended during the quarter :—

Treatment.	*New Cases.*	*Old Cases.*	*Total.*
Domiciliary	17	38	55
Dispensary	41	84	125
Sanatorium	153	71	224
Hospital (Surgical)	15	15	30
Home	25	30	55
Ultra Violet Ray	5	12	17

(2) I submit the following statement with regard to surgical appliances supplied to tuberculous patients on the recommendation of the tuberculosis medical officers :—

Case No.	Description of Appliance.	Cost of Appliance.	Amount Contributed by Patient.	Amount payable by the County Council.
		£ s. d.	£ s. d.	£ s. d.
42272	Chance's spinal brace	6 5 0	..	6 5 0
43800	Poroplastic jacket	3 10 0	..	3 10 0
29601	Chance's spinal brace	6 5 0	1 10 0	4 15 0
46886	Jones' shoe	1 0 0	..	1 0 0
28421	Repairs to splint	0 12 6	..	0 12 6
36748	Right surgical boot	2 14 0	..	2 14 0
46142	Thomas' knee splint, crutches and patten	1 17 6	1 0 0	0 17 6
47724	Spinal jacket with headpiece	6 10 0	2 0 0	4 10 0
42345	Chance's brace with extension carrying sling	8 12 6	..	8 12 6
46209	Repairs to Thomas' splint	0 7 6	..	0 7 6
31849	Left surgical boot	2 19 6	0 10 0	2 9 6
34853	Repairs to spinal brace	1 5 0	..	1 5 0
7842	Right surgical boot	3 10 0	1 0 0	2 10 0
34208	Repairs to Thomas' hip splint, and new patten	0 19 6	..	0 19 6
24330	Thomas' hip splint	1 8 0	..	1 8 0
19678	Left arm crutch for Chance's spinal brace	1 7 6	..	1 7 6
32124	Repairs and adjustment to Frame	0 5 6	..	0 5 6
34576	Left surgical boot	2 17 6	..	2 17 6
43587	Spinal brace	4 15 0	0 15 0	4 0 0
44325	Special extension belt	2 2 0	..	2 2 0
35875	Repairs to spinal brace	0 7 6	..	0 7 6
42597	Stump boot	2 10 0	0 10 0	2 0 0
46276	Thomas' hip splint, patten and crutches	2 3 6	..	2 3 6
44167	Thomas' hip splint, patten and crutches	2 3 6	0 5 0	1 18 6
46014	Patten	0 6 0	..	0 6 0
33626	Repair arm crutch of spinal brace	0 17 6	..	0 17 6
43289	Repairs to right surgical boot	0 14 6	..	0 14 6
29950	Pair of crutch rubbers	0 2 3	..	0 2 3
10587	Repairs to artificial limb	1 7 6	..	1 7 6
46209	Left hip splint	1 7 6	..	1 7 6
47814	Walking caliper	2 17 6	..	2 17 6
33626	Repairs to spinal support	1 6 6	..	1 6 6
47312	Chance's spinal support	6 5 0	1 0 0	5 5 0
37185	Pair of crutches	0 12 5	..	0 12 5
		£82 4 8	£8 10 0	£73 14 8

(3) ADMISSIONS TO SANATORIA AND HOSPITALS.—The number admitted to sanatoria and other residential institutions was 298 (including 27 who had previously received institutional treatment) as against 260 in the last quarter, and the total number receiving residential treatment on the 30th September was 559, as against 558 at the end of last quarter. This number includes 23 discharged service men. The distribution of these cases in the several institutions is as follows :—

(4) SANATORIA—TUBERCULOSIS HOSPITALS :—	Males.	Females.
Holywood Hall Sanatorium, Wolsingham	178	—
Sunderland Tuberculosis Hospital	—	24
Stannington Children's Sanatorium	21	79
Helmington Row Tuberculosis Hospital	11	—
Tindale Crescent Tuberculosis Hospital	—	12
Preston Hall Colony	2	—
Earl's House Sanatorium, Durham	78	—
Seaham Hall Sanatorium	—	127
Totals	290	242

(5) GENERAL HOSPITALS :—

	Males.	Females.
Children's Hospital, Gateshead	7	3
Royal Victoria Infirmary, Newcastle-on-Tyne	4	3
Whickham War Memorial Hospital	2	2
Hartlepools Hospital	1	1
Durham County Hospital	1	—
Holmside and South Moor Miners' Welfare Hospital	2	—
Memorial Hospital, Darlington	—	1
Totals	17	10

(6) DISCHARGES FROM SANATORIA AND HOSPITALS.—The number of persons discharged from sanatoria and hospitals was 299. Of these, 110 were reported "Quiescent" or "Arrested," 107 "Improved," 64 "No material improvement," and 18 died in institutions. Thirty-seven cases left before treatment was completed.

(7) AWAITING ADMISSION TO SANATORIA AND HOSPITALS :—

	Sanatorium.		*Hospital.*
	Pul.	Non-Pul.	
Adult Males	22	7	1
Adult Females	29	1	1
Boys	2	11	1
Girls	3	19	—
Totals	56	38	3

(8) OCCUPATIONAL TREATMENT OF DURHAM COUNTY TUBERCULOUS EX-SERVICE MEN.— There were no tuberculous ex-service men admitted to Preston Hall Training Colony, Aylesford, Kent, during the quarter ; none were transferred to the Settlement, and two were receiving treatment on the 30th September. No cases were awaiting admission to the Colony on 30th September.

(9) TRAVELLING EXPENSES have been paid during the quarter to 404 cases.

(10) X-RAY EXAMINATIONS.—During the quarter 177 persons were examined by X-rays.

(11) SHELTERS.—During the quarter 9 shelters were erected as follows :—

Central District	at Eighton Banks, Birtley & Kibblesworth	3
Northern District	at Whickham	1
North-Eastern District	at Hebburn	1
North-Western District	at Lanchester	1
Southern District	at Beaumont Hill and Stockton	2
Western District	at Butterknowle	1

(12) ATTENDANCES AT DISPENSARIES.—The number of attendances at the dispensaries during the quarter was 5,705, as against 5,982 in the preceding quarter, and the number of persons who attended the dispensaries was 3,080, the corresponding figure for the preceding quarter being 3,108.

(13) VISITS TO PATIENTS.—4,932 visits have been made by the health visitors to patients during the quarter.

(14) VISITS TO EX-SERVICE MEN.—206 visits have been made by the health visitors during the quarter.

(15) UNDER SUPERVISION.—5,294 patients were under supervision on the 30th September, including 337 ex-service men.

(16) TREATMENT RECOMMENDED.—A list of all cases recommended sanatorium, dispensary and other forms of treatment during the quarter will be submitted, and I shall be glad if your Committee will approve such recommendations.

(17) DEATHS.—134 deaths from tuberculosis have been reported since the date of my last quarterly report, viz.: Pulmonary, 60 males and 54 females; Non-Pulmonary, 8 males and 12 females.

(18) SUPPLY OF ARTIFICIAL LIMB. CASE No. 42304 (HEBBURN).—This patient requires an artificial limb (left leg with foot) which will cost £18 18s. 0d. She is willing to contribute £3 16s. 6d. towards the cost, and I recommend that the remainder, viz., £15 1s. 6d. be defrayed by the County Council.

(19) NORTH EASTERN DISPENSARY AREA.—I have to report that Dr. Brian C. Thompson, who was appointed District Tuberculosis Officer for the North-Eastern District, commenced duty on the 1st August.

TREATMENT OF VENEREAL DISEASES.

TREATMENT CENTRES.

20. (1) STATISTICS.—The following table deals with the work for the three months ended 30th June, 1934 :—

CENTRE.	New Cases.		Ceased to attend before completion of treatment.		Total attendances.		No. of In-Patient days.		No. of doses of 606 substitute used.
	M.	F.	M.	F.	M.	F.	M.	F.	
Darlington	8	7	—	—	245	129	—	—	88
Durham	63	46	24	20	1,570	912	41	71	235
Newcastle	66	43	25	11	1,259	735	91	—	155
Stockton	44	27	3	—	1,296	420	—	—	102
Sunderland	46	35	—	—	1,571	1,203	35	11	340
TOTALS	227	158	52	31	5,941	3,399	167	82	920

The above statistics refer to patients residing in the Durham County Administrative Area only.

(2) Travelling expenses amounting to £82 5s. 4d. were paid during the quarter ended 30th June, 1934, to enable necessitous patients to attend the treatment centres.

HEALTH VISITORS.

21. The Superintendent Health Visitor reports as follows :—

(1) Sick Leave.—The following returned to duty on the dates given :—Mrs. Grundey, June 18th ; Miss Scott, July 4th ; Miss Garbutt (as a result of an accident) July 7th ; Miss Lindsley, July 30th ; Miss Nightingale, September 10th. Miss Hiscocks was on sick leave from July 2nd to September 29th. The following have been on sick leave from the dates given :—Miss Appleby, 30th August ; Mrs. Drurey (result of an accident) September 17th ; Miss Laughlin, September 20th.

(2) The Misses M. Allport and L. Freeman resigned their posts on the 30th September, the vacancies being filled by the appointment of the Misses L. Cumming and P. M. Williams.

(3) The following have been accepted as loan student health visitors :—Misses H. C. Beaglehole, E. K. N. Cumming, J. M. Hall, P. K. Jorgenson, C. M. Jones, V. Lindsay, E. Lloyd, W. Lowson, H. E. Noble, E. L. O'Donovan M. P. Richards, L. Watt.

The following loan students of the year 1933 obtained appointments elsewhere on the dates given and made the necessary refunds :—Miss P. K. Peplar, August 25th ; Miss A. M. Poole, August 31st ; Miss L. Stackles, 15th September ; Miss D. E. Laidler, September 1st.

(4) The County Travelling Health Exhibition has visited Easington Colliery, Hetton-le-Hole, Middleton-St. George, Shotley Bridge, West Pelton and Winlaton, and there are 11 further bookings in October.

(5) Children Acts, 1908-32.—76 cases were under supervision and 182 visits were paid during the quarter.

(6) 1,511 mental defectives were under supervision, to whom 1,683 visits were paid during the quarter.

(7) The services of Home Helps were sanctioned in 8 cases during the quarter.

(8) The number of families on milk assistance on 30th September, 1934, was 5,427. (The corresponding number on the 30th June, 1934, was 5,484).

MIDWIVES ACTS.

22. (1) The following statement shows the midwifery services of the county and its supervision during the quarter :—

Total number of certified midwives in practice (of these 7 are bona-fide)	307
Number of midwives supervised	135
Number of visits to midwives	228
Number of visits to patients	113
Number of other visits	6
Number of ineffective visits	58
Total number of births registered in the Administrative County	3978
Number of births notified by midwives	2553

(2) The following notifications were received from certified midwives :—

Sending for Medical Help	1071
Still-births	61
Death of Mother	9
Death of Child	38
Artificial Feeding	16
Laying out the Dead	7
Liability to be a Source of Infection	17

(3) There were 39 cases of discharging eyes in the practice of midwives and 12 of these were subsequently notified as ophthalmia neonatorum.

(4) Medical aid was sought by midwives in 24 cases because of rise of temperature. Two of these cases were subsequently notified as puerperal fever and 7 as puerperal pyrexia, of which 5 received in-patient hospital treatment.

(5) The inspectors visited 53 cases of albuminuria.

(6) The practice of midwifery by 5 uncertified midwives was reported by the health visitors, and on enquiry it appeared that they had all acted in emergency.

(7) Eight additional trained midwives have given notice of their intention to practise in the county area, 16 midwives have notified changes of address within the county, and 7 have removed out of the county.

(8) The following is a statement of cases attended during the quarter by midwives appointed by the County Council under the Trained Midwifery Scheme :—

District.	Cases.	Attended as Midwife.	Attended as Maternity Nurse.
Beamish	13	13	—
Birtley	12	11	1
Blaydon	21	18	3
Chilton	13	13	—
Chopwell	5	5	—
Consett	35	34	1
Dipton	25	22	3
Easington Colliery	12	8	4
Fatfield	14	12	2
Hebburn	10	10	—
Hetton	22	19	3
High Spen	8	8	—
Philadelphia	27	12	15
Rowlands Gill	23	23	—
Sherburn	8	8	—
Shotton Colliery	—	—	—
Trimdon	16	15	1

(9) The midwife at Shotton Colliery is still off duty ill.

(10) The Superintendent of the County Nursing Association reports that there are 123 midwives practising under district nursing associations, and that a good standard of work has been maintained and the equipment found in good order. She also reports that 3 resignations and 1 transfer have taken place and that 4 appointments have been made to fill these vacancies.

RIVERS POLLUTION PREVENTION ACTS.

23. The County Health Inspector reports that :—

(1) Portions of the following rivers and streams have been inspected :—Old Durham Beck, Old House Beck, Croxdale Beck, Bishopton Beck, East Howle Beck, Crook and Beechburn Beck, Bowburn Beck, Coundon Beck, Oakley Beck, Coalford Beck, Pittington Beck, Tursdale Beck, Dene Beck, Eldon Beck, Murton Beck, Shotton Beck, Blaydon Beck, Stella Gut, Teams Gut, Twizell Burn, Cong Burn, Stanley Burn, The Springs, Dipton Burn, Clockburn, Rivers Tees, Derwent, Deerness, Wear, Gaunless, Browney, and Skerne.

(2) Pollution by sewage was observed at Skerne Bridge, Stonebridge, Sedgeletch, Mill Inn, Willington, Scotch Isle, Blackhouse Building Estate.

(3) Pollution from gasworks, bye-product and chemical works, tar and coking plants, and sand and gravel works has been observed in the following watercourses :—Old House Beck, East Howle Beck, Tursdale Beck, Low Grange Beck, Sedgeletch, Old Durham Beck, Moores Burn, Oakley Beck, and River Wear.

(4) There is an improvement in the condition of the Crook Beck and Murton Beck, so far as pollution by effluents from gas and chemical works is concerned.

(5) Refuse in Streams.—In many parts of the county small streams and watercourses appear to be dumping sites for all kinds of domestic and garden rubbish, fouling the streams and foreshores and thus creating serious nuisances. The major part of this refuse could be burned and the remainder buried. Local authorities should give this matter their serious attention and deal with offenders.

(6) The following trade processes have been inspected and their effluents at the time of the inspection reported upon. Adverse reports are followed up by interviews with the responsible officers until a satisfactory effluent is obtained.

Name of Works.	*Condition of effluent.*	*Name of Works.*	*Condition of effluent.*
By-Product Works.			
Bankfoot	Improved.	Malton	Moderate.
Bearpark	Improved.	New Brancepeth (Ushaw Moor)	Fair.
Blackbanks Chemical Works	Improved.	Randolph	Moderate.
Bowden Close	Good.	Sacriston Coking Plant	Fair.
Brancepeth (Willington)	Moderate.	Shotton Colliery	Moderate.
Crook New Chemical Works	Good.	Stella Gill	Good.
Derwent Haugh	Good.	Templetown Tar Works	Good.
Fishburn	Improved.	The Fell	Good.
Lambton	Improved.	Thrislington	Fair.
Langley Park	Good.	Weardale Coal and Coke Works	Moderate.
Solids from Coal Washeries.			
Bearpark	Fair.	Ouston "E" Pit	Fair.
Bowburn	Good.	Peggy Pit	Fair.
Dean & Chapter	Bad.	Randolph	Moderate.
Dean Bank	Fair.	Sacriston & Charlaw	Fair.
Dolly Pit	Bad.	Sherburn Hill	Fair.
Fishburn	Moderate.	Thrislington	Fair.
Lambton	Moderate.	Urpeth "C" Pit	Fair.
Langley Colliery	Fair.	Waterhouses	Good.
Murton	Improved.	Whiteleas Colliery Washer	Good
Oils and Liquids from Boilers, etc.			
Bearpark Colliery & Brickworks	Improved.	Ouston "E" Pit	Fair.
Eldon Colliery & Brickworks	Fair.	Sherburn Hill Colliery	Fair.
Electric Power Works, Crook	Fair.	Tudhoe Colliery & Brickworks	Moderate.
Lambton Silica Brickworks	Fair.	Malton	Bad.
Liquids and Wastes from Gas Works.			
Bankfoot	Improved.	Houghton-le-Spring	Good.
Barnard Castle	Good.	Middleton-in-Teesdale	Good.
Bishop Auckland	Good.	Shotley Bridge	Good.
Burnhope	Good.	Spennymoor & Tudhoe	Fair.
Chester-le-Street	Good.	Staindrop	Good.
Crook	Improved.	Stanley	Fair.
Dipton	Fair.	Tow Law	Good.
Durham	Moderate.	Tudhoe & Sunderland Bridge	Fair.
Ferryhill	Good.	Willington	Bad.
Gainford	Good.		
Trade Effluents and Sand and Gravel Works.			
Aycliffe Lime Quarry	Good.	Lintzford Printing Ink Works	Good.
Barmpton Sand & Gravel Works	Good.	Norton Junction Sand & Gravel Works	Good.
Bishop Auckland Artificial Stone Works	Good.	Skerningham Sand & Gravel Works	Good.
Co-operative Tin Plate Works	Good.	Stillington Sand & Gravel Co.	Fair.
Elmford Lead Mines	Improved.	The Sacriston Sand & Gravel Co., Ltd.	Fair.
Healyfield Lead Works	Good.	Zinc Oxide Works	Good.
Hetton Sand & Gravel Works	Fair.		

SUNDERLAND COUNTY BOROUGH.

(7) Works of Sewerage.—An Inquiry was held in the Town Hall, Sunderland, on the 4th July, by H. W. Coates, Esq., O.B.E., M.C., A.M.Inst., C.E., an Inspector of the Ministry of Health, into the application of the Council of the County Borough of Sunderland for sanction to borrow £4,000 for works of sewerage. The reason given was the construction of a new sewer at Dykelands Road, the old sewer which was constructed by the Sunderland Rural District Council being now inadequate owing to building developments; also, at the outfall, untreated sewage was driven back to the foreshores by the east wind, thus creating a nuisance. It was proposed that the new sewer would be taken out to low tide mark, and plans were in course of preparation to construct a sewage disintegrator or settling plant prior to discharge. There was no opposition to the application.

DARLINGTON COUNTY BOROUGH.

Paras. 23 (6) March, 1934.

(8) Stressholmes Sewage Farm :—The effluent from these works, which is discharged by means of two main outfall pipes into the River Skerne, near Skerne Bridge, does not appear to be in any way improved. The condition of the effluent appeared to be very dark and in a highly septic condition. A chlorinating plant has been in operation for a period of approximately six months. It may be presumed that this process has been adopted pending the consideration of a modern sewerage and sewage disposal system for the town.

WEST HARTLEPOOL COUNTY BOROUGH AND HARTLEPOOL MUNICIPAL BOROUGH.

Para. 25 (8) June, 1934.

(9) Joint Works of Sewerage :—The authorities concerned will very shortly be advertising for tenders, and the work may be commenced within the next two months.

DURHAM URBAN DISTRICT.

Para. 25 (9) June, 1934.

(10) Barkers Haugh Sewage Disposal Works :—The rectangular distributors have been dismantled, and new revolving sprinklers are being installed.

Para. 25 (10) June, 1934.

(11) Works of Sewerage :—These works are now completed. Re-sewering: New Elvet, Framwellgate Water-side :—Good progress has been made on these new sewers and also the re-modelling of storm water overflows near Elvet Bridge.

BILLINGHAM URBAN DISTRICT.

(12) Works of Sewerage :—Sanction has been obtained from the Ministry of Health to borrow £1,468 for the construction of a main sewer on the Cowpen Lane Estate in connection with a scheme for 150 houses now in course of erection.

BISHOP AUCKLAND URBAN DISTRICT.

Para. 25 (11) June, 1934.

(13) Works of Sewerage :—The following works have now been completed :—Extension of sewers at Escombe Road from the allotment gardens to Pollard's Inn, and from the south side of the recreation ground to Thornfield House, Etherley Lane, and also the relaying of the sewer in Fore Bondgate.

BLAYDON URBAN DISTRICT.

(14) Ladysmith :—Works of sewerage and sewage disposal are to be carried out here, and consulting engineers have been engaged to submit plans, etc., to the District Council.

CHESTER-LE-STREET URBAN DISTRICT.

(15) Works of Sewerage :—The existing sewer on the bye-pass at Ropery Lane is to be extended approximately 500 yards further south to take the sewage from the Red Rose Hall and the Vineries estates owing to building developments at the south end of the bye-pass road.

(16) Road Ditch, Holm Hill Road, Chester Moor :—Improvements are being carried out in this area. The ditch at the side of the above road was found to be offensive due to the discharge of the effluents from a private septic tank, sewage works, and the overflow from a farmyard cesspool. A stoneware pipe is being laid and covered in for a distance of approximately 250 yards and will discharge below the L. & N.E.Railway bridge. This will be a definite improvement pending the development of the Chester Moor building estate.

CROOK URBAN DISTRICT.

(17) Crook Gas Works—Pollution of Crook Beck :—The alterations agreed upon to produce a satisfactory method of disposal of gas liquors are being carried out at these works. Para. 25 (14) June, 1934.

(18) Bankfoot Chemical Works—Pollution of Crook Beck :—Alterations to the tanks and the treatment of spent liquors from these works are receiving the necessary attention of the responsible officials. Several samples of river water from the Crook Beck have been taken for examination during the last three months and the results of these have shown varying degrees of purity. A recent sample upon analysis showed a high standard and satisfactory effluent, and there is no reason why this standard should not be maintained. Para. 25 (15) June, 1934.

HETTON-LE-HOLE URBAN AND HOUGHTON-LE-SPRING RURAL DISTRICTS.

(19) Glebe Sewage Farm and Houghton-le-Spring Sewage Disposal Works :—The District Council have submitted a scheme to the Ministry of Health for the provision of new works. Para. 25 (16) June, 1934.

RYTON URBAN DISTRICT.

(20) Stella Gut :—No further communication has been received from the Clerk of the District Council who wrote on the 27th March last stating that the matter mentioned is having the careful consideration of the Council, yet the stream continues to be seriously polluted by sewage. Para. 25 (18) June, 1934.

SPENNYMOOR URBAN DISTRICT.

(21) Tudhoe Mill Sewage Disposal Works :—On the 13th September last a detailed examination of the sewage disposal works was carried out with the chairman of the sewage works committee and members of the District Council. Attention was drawn to the several causes of pollution of the Tudhoe Wood Beck by sewage from the sewage works and recommendations were made with reference to these defects, and the committee agreed to deal with these matters immediately. Para. 25 (19) June, 1934.

(22) Low Grange, Bishops Close, and Red Lion Becks :—The work of covering in a portion of the Low Grange Beck was commenced during the quarter and approximately 140 yards of 36-inch re-inforced concrete tubes have been laid. A thorough inspection of the existing brick culverts is being carried out for connections through which tar and noxious effluents may enter. Para. 25 (20) June, 1934.

WHICKHAM URBAN DISTRICT.

(23) Works of Sewerage :—The amended scheme for the extension of the outfall sewer from Mill Race to a new point of discharge in the River Derwent has now been approved by the Ministry of Health. Para. 25 (22) June, 1934.

WILLINGTON URBAN DISTRICT.

(24) Sewage Disposal Works :—These works were established in 1904 for a population of 8,500, and owing to building developments and the provision of improved sanitary accommodation, baths, and 865 water closets, they are now overloaded ; while the works machinery is also in need of immediate repairs. As pollution by sewage has been observed on several occasions from these works it is advisable that the District Council should consider the question of re-modelling the works.

(25) Willington Gas Works :—The effluent from these works is discharged into the Council's sewers and treated at the Willington sewage disposal works. An examination of a sample of water taken from the river revealed serious pollution by spent liquors and sewage from the sewage works. The Gasworks manager has agreed to consider the construction of equalising tanks to allow a predetermined volume of effluent being discharged into the Council's sewers, and it is recommended that a meeting of the District Council and officials, the Gasworks manager, and a representative of this department, should be held to go fully into this matter.

AUCKLAND RURAL DISTRICT.

Para. 25 (23) June, 1934.

(26) Hunwick Sewage Disposal Works :—These works are now completed.

Para. 25 (24) June, 1934.

(27) Byers Green Sewage Disposal Works :—Overhauling repairs and reconstruction of these works are now completed.

Para. 25 (25) June, 1934.

(28) The Dene Sewage Disposal Works :—These works are now completed.

(29) Escombe Sewage Disposal Works :—Extensions and alterations to these works are in progress.

(30) Sunnybrow Electric Pumping Station :—Concrete settling tanks are being constructed at this station for arresting oils, etc.

CHESTER-LE-STREET RURAL DISTRICT.

Para. 25 (26) June, 1934.

(31) Pelaw Grange and Browns Buildings Sewer :—The Clerk to the District Council wrote on the 2nd July last stating that this sewer is now completed and that sewage is being conveyed to the Newtown pumping station. It is hoped that the provision of this sewer has effectively dealt with any question of pollution at Rowletch Burn.

(32) Earls House Sanatorium—Sewage Works :—A complaint of air pollution from these works was investigated and found to be due to excessive sludging operations of the tanks. Instructions have again been given for weekly sludging at short periods, the sludging to be carried out during dull weather and the absence of strong winds, and for the planting of elders round the north and east sides of the works.

DARLINGTON RURAL DISTRICT.

Para. 25 (28) June, 1934.

(33) Sadberge—Works of Sewerage :—These works are now completed.

Para. 25 (29) June, 1934.

(34) Blackbanks Chemical Works :—Progress continues to be made at these works and the effluent appears to be improved.

(35) Low Beaumont Hill, Whessoe Parish :—A complaint of nuisance arising from sewage draining from a a field on to the road was investigated and found to be due to the disorganisation of the drainage system through main road alterations, and the matter is being attended to without delay.

(36) Heighington Village—Works of Sewerage and Sewage Disposal—Plans are in course of preparation for a scheme of sewerage and sewage disposal for this village. At the present time there are two tanks for the treatment of sewage.

DURHAM RURAL DISTRICT.

Para. 25 (31) June, 1934.

(37) Works of Sewerage and Sewage Disposal—Sherburn and Shadforth :—Sanction has now been obtained for the works in connection with the above and operations have now commenced.

Para. 25 (32) June, 1934.

(38) Sewerage—Framwellgate Moor :—Good progress has been made with the extension of the main outfall sewers in this area.

Para. 25 (33) June, 1934.

(39) Sunderland Bridge—Sewage Disposal Works :—These works are now completed.

Para. 25 (34) June, 1934.

(40) Pity Me—Sewage Disposal Works :—The improvements to these works are now completed.

Para. 25 (35) June, 1934.

(41) Shincl'ffe Mill Infectious Diseases Hospital—Sewage Disposal Works :—Overhauling and repairs at these works are now in progress.

EASINGTON RURAL DISTRICT.

(42) Murton Colliery, Allotment Gardens—Pollution of Stream in Recreation Ground :—The gullies which discharge into the water course near the allotment gardens adjoining Green Streeet are being linked up to a branch sewer and connected to the main outfall sewer to the sea. The completion of these works will eliminate pollution of the small stream passing through the welfare recreation ground.

(43) Murton Colliery Coal Washer, Boiler Sludging and Brickworks Effluents :—Good progress has been made in the construction of settling tanks and ponds at this place. Several inspections of the Murton Beck to Seaham Harbour have been carried out during the past quarter, and a definite improvement has been reported.

(44) Seaham Hall Sanatorium—Sewage Disposal Works :—Owing to the impervious nature of the strata upon which the sludge drying beds are constructed and the difficulty of drying the sludge, it is recommended that the drying beds should be extended. A further detailed inspection has been made, and I recommend that percolating filters, revolving sprinklers, and humus tanks, should be constructed to overcome pollution by sewage of the small stream into which the tank liquors from the sedimentation tanks and sludge liquids are discharged.

HOUGHTON-LE-SPRING RURAL DISTRICT.

(45) Sedgeletch Sewage Farm :—The District Council have approved the scheme of the consulting engineers for re-modelling the Sedgeletch sewage disposal works by the construction of proper tanks, filters, and humus tanks, leaving the land only to deal with storm water and sludge, and for the latter additional land is to be obtained. Negotiations to this end are now in progress. Para. 25 (36) June, 1934.

Board Inn, Herrington Park and Farrington Building Estates :—An extension of the main outfall sewer is in progress to meet the requirements of building developments in this area.

(46) Dolly Pit, Herrington Burn :—The colliery officials concerned have promised that additional precautions will be taken with the settling ponds at this colliery to limit the pollution of the stream in the future.

(47) Lambton Colliery, Moores Burn—Coal Washer :—It is understood that machinery is in course of erection at this colliery to extract the dust from the coal before treating, which will make an immense improvement to the effluent.

LANCHESTER RURAL DISTRICT.

(48) Malton Colliery Sewage Disposal Works :—These works are being reconstructed, including installation of dosing chamber with syphon acting discharge and percolating filter.

(49) Esh Village :—The sewage from this place is treated at Langley Park West sewage works, and the main sewer is being extended at an estimated cost of £383 to drain the houses and two schools.

(50) Craghead (The Middles) :—Provision of three additional sludge drying beds at these works are in progress of construction.

(51) Malton Colliery By-product Works :—Pollution of the River Browney by effluents from these works has been observed, and the works manager is taking this matter up with a view to abating the pollution.

SEDGEFIELD RURAL DISTRICT.

(52) Fishburn Colliery Coal Washer and By-product Works—Pollution of River Skerne :—Frequent inspections of this river have been carried out during the past quarter. On one or two occasions pollution was observed and reported to the works manager, who dealt with the matter immediately. Good progress is being made on the construction of the "Coppée" coal washer at this colliery. Para. 25 (39) June, 1934.

(53) Sedgefield and Winterton Mental Hospital Sewage Disposal Works :—Progress is reported in the construction of the new sewage disposal works at this place.

SOUTH SHIELDS RURAL DISTRICT.

(54) Water Carriage System :—The Clerk to the District Council wrote on the 24th August stating that the District Council have decided to serve a Statutory Notice upon the owners of the buildings in the rural district to convert the ash-closets into water-closets. There are approximately 2,190 ash-closets to convert, and advertisements have been inserted in the local papers for the carrying out of the work. An application will be made to the Ministry of Health for sanction to borrow the portion of the cost of the scheme to be borne by the Council.

(55) Boldon Colliery—Re-laying of Sewers :—The Clerk to the District Council wrote on the 24th August last stating that the Council have accepted a tender amounting to £2,343 for the re-laying of the sewers in the old part of Boldon Colliery, and the work is proceeding.

STOCKTON RURAL DISTRICT.

(56) Wolviston Sewage Disposal Works :—These works consist of screening chamber, sedimentation tanks, and land, and are unable to deal with the increased load. Building estates are being rapidly developed with modern sanitary conveniences which have added considerably to the volume of sewage for which these works were originally designed about thirty years ago. The District Council should consider the advisability of constructing a modern system of sewage disposal works and extend their main sewers in such directions as will allow for future building developments.

WEARDALE RURAL DISTRICT.

Para. 25 (44) June, 1934.

(57) Scotch Isle Farm—Pollution by Sewage :—Re-laying underground drains and repairs at these works are now completed.

(58) Elmford Lead Mines :—Improvements to the washing process of barytes at these works are in progress. It is further proposed to deal with the mine at a point near the River Wear where facilities are much better for working and washing, when it is hoped that pollution of the Elmford Beck and River Wear will be prevented.

(59) Holywood Hall Sanatorium, Baal Hill Farm Sewage Works :—Complaints have been received regarding the effluent from these works discharging on to the footpath. This is due to the impervious nature of the higher portion of the strata into which the effluent is discharged by means of irrigation trenches, and in view of this I recommend that the main effluent drain from the sewage works be connected to the main drainage system of the Sanatorium.

MATERNITY AND CHILD WELFARE.

24. The Welfare Medical Officer reports to me as follows :—

(1) WELFARE MEDICAL STAFF.

Dr. H. Blacklay was unable to attend her centres on the 17th and 18th September owing to an accident. With the approval of the Deputy County Medical Officer her centres at Seaham Harbour and Murton were attended by Dr. M. Crossthwaite.

Dr. E. Patterson commenced duty as assistant welfare medical officer on the 1st July.

(2) CENTRES. NEW PREMISES.

Whickham.—The first session in the Miners' Welfare Hall, Whickham, will be held on the 6th November.

Durham.—The necessary alterations are being carried out and it is expected that the premises will be ready for occupation sometime during October.

Silksworth.—This centre was closed on the 26th September as the premises were not available on that day.

Trimdon.—The attendance of expectant mothers is now so large at this centre that it is necessary to allocate the whole morning fortnightly for ante-natal clinic.

(3) ACTIVITIES OF VOLUNTARY COMMITTEES.

Chester-le-Street and West Stanley.—The voluntary committee at Chester-le-Street has offered to equip an artificial sunlight clinic at Birtley centre. The voluntary committee at West Stanley are also willing to supply an ultra-violet ray lamp and other equipment for their centre at West Stanley.

I have carefully considered the programmes of the assistant welfare medical officers attending these centres, and also those of the other assistant welfare medical officers. I fully appreciate the benefit that would be derived from sunlight clinics in these areas, but at the present time cannot so re-arrange the programmes of the assistant welfare medical officers to enable the necessary extra sessions to be given for these clinics. In addition, in the case of West Stanley the building is not equipped with the necessary electric installation.

The undermentioned equipment, etc., has been provided by the following voluntary committees :—

Coundon.—New curtain for use at ante-natal clinic.

Houghton.—A built-in cupboard for the sunlight lamps.

Middleton-in-Teesdale.—Linen cover for a special screen.

Seaham Harbour.—Posters and models for demonstration purposes.

(4) FEDERATION OF VOLUNTARY WORKERS.

A meeting of the Federation was held in the Shire Hall, Durham, on the 24th September, at which Mrs. Ellis presided. Reports on the Baby Week Conference, held at Birmingham in July, were submitted by Mrs. Hindhaugh and myself.

(5) CASES OF SQUINT.

54 children have been treated by the school oculist during the quarter.

(6) ARTIFICIAL SUNLIGHT CLINICS.

Centre.	No. on books.	Attendances.	Average attendance per session.
Bishop Auckland	122	392	16
Dunston	332	651	26
Horden	183	697	29
Houghton-le-Spring	211	719	29

(7) ATTENDANCES OF COUNTY MOTHERS AT BOROUGH WELFARE CENTRES.

Darlington	11	mothers	made	52	attendances.
Gateshead	2	,,	,,	7	,,
South Shields	27	,,	,,	76	,,
Stockton	3	,,	,,	23	,,
Sunderland	2	,,	,,	15	,,
West Hartlepool	13	,,	,,	88	,,
Yarm and Eaglescliffe	23	,,	,,	62	,,

(8) BABIES' HOSPITAL AND MOTHERCRAFT CENTRE, NEWCASTLE-ON-TYNE.

The following children have been admitted to this Hospital :—

Name.	Address.	Admitted.	Dis-charged.	Amount Paid by Parents.	Amount Paid by County Council.
Alan Coram	Tanfield Lea	11-7-34	18-7-34	2/-	£3/19/0
Martha Rochester	New Seaham	11-7-34	18-8-34	Nil.	£1/1/0 per week.
John Wild	Sherburn Hill	18-7-34	31-7-34	Nil.	£4/19/0
Alan Blackwood	Dipton	12-9-34	19-9-34	1/-	£4/0/0

NOTIFICATION OF BIRTHS.

25. The number of births notified in the administrative county during the past quarter under the Notification of Births Acts, as adjusted by transferred notifications, was 3,998, and exceeded the births registered by 20. In the County Council Notification of Births Act area (*i.e.*, the administrative county less the urban districts of Hartlepool, Jarrow, and Stockton) the number of births notified was 3,455 and exceeded by 15 the births registered in that area.

The number of un-notified births reported and enquired into by the county health visitors was 71, viz. :—

45 Doctors failed to notify	58 births.
11 Midwives failed to notify	12 ,,
1 Hospital failed to notify	1 birth.

ADMISSION OF COUNTY PATIENTS TO MATERNITY HOMES.

26. The following statement shows the number of patients whose applications for admission to maternity homes were approved during the quarter, and a comparison is made with the figures for the three previous quarters and for the corresponding quarter of last year :—

Maternity Home.	Quarter Ended.				
	Sept., 1933.	Dec., 1933.	Mar., 1934.	June, 1934.	Sept., 1934.
County Maternity Home, Bishop Auckland	82	69	91	96	80
Richard Murray Hospital, Blackhill	89	77	80	74	54
Maternity Home, Sunderland	20	26	17	29	29
Maternity Home, West Hartlepool	3	4	7	9	12
Princess Mary Maternity Hospital, Newcastle-on-Tyne	7	13	13	10	10
Robson Maternity Home, Stockton-on-Tees	1	—	—	1	3

Every care has been taken to see that the patients contributed towards the cost of maintenance in the institutions according to their means.

VITAL STATISTICS.

27. Tabulated statement of quarterly birth-rates, total death-rates, and death-rates from certain specified causes in the administrative county :—

	Quarter ended				
	September, 1933.	December, 1933.	March, 1934.	June, 1934.	September, 1934.
Rates per 1,000 Population.					
Birth-rate	17·8	15·6	18·2	18·2	17·2
Total Death-rate	9·7	10·7	14·0	12·2	9·4
Death-rate from :—					
Zymotic Diseases	0·54	0·71	0·69	0·65	0·44
Smallpox	—	—	—	—	—
Scarlet Fever	0·03	0·14	0·16	0·10	0·06
Diphtheria and Croup	0·03	0·11	0·10	0·12	0·18
" Fevers " (Typhoid, &c.)	0·004	0·01	0·02	—	0·004
Measles	0·03	0·15	0·21	0·24	0·07
Whooping Cough	0·03	0·06	0·10	0·06	0·04
Diarrhœa (under 2 years of age)	0·41	0·23	0·10	0·14	0·08
Phthisis	0·71	0·63	0·83	0·80	0·54
Bronchitis, Pneumonia and Pleurisy	0·53	0·90	1·56	1·02	0·53
Influenza	0·04	0·13	0·35	0·20	0·06
Infant mortality rate per 1,000 births	71	83	104	72	53

28. The following table gives the chief vital statistics of the urban and rural districts in the County during the three months ended 30th September, 1934 :—

	Estimated Population Mid-year, 1934.	Per 1,000 Population.			Infant Mortality rate per 1,000 births	Diseases prevalent during quarter.
		Birth-rate	Death-rate from all causes.	Zymotic death-rate		
Administrative County	923,210	17·2	9·4	0·44	53	
Co. Boro' of Darlington	73,340	15·7	8·7	0·16	49	Scarlet Fever.
Co. Boro' of Gateshead	124,320	17·2	10·8	0·55	77	Do.
Co. Boro' of South Shields	114,100	16·1	10·3	0·53	85	Do.
Co. Boro' of Sunderland	187,400	18·9	10·0	0·60	61	Do.
Co. Boro' of West Hartlepool ..	70,790	17·4	9·6	0·11	49	
URBAN DISTRICTS.						
Durham Borough	16,680	15·1	9·8	0·24	16	
Hartlepool Borough	19,910	19·1	8·8	0·40	42	
Jarrow Borough	31,680	16·8	9·9	0·38	45	
Stockton Borough	67,330	18·4	9·0	0·59	39	Do.
Annfield Plain	16,180	18·1	14·3	0·99	82	Diphtheria.
Barnard Castle	4,030	13·9	8·9	—	—	
Benfieldside	9,170	18·8	9·6	0·87	46	
Billingham	18,780	21·1	7·0	0·21	61	
Bishop Auckland.....	12,020	17·0	11·3	0·33	78	
Blaydon	32,440	15·0	10·7	0·62	74	
Brandon and Byshottles	16,730	18·2	11·0	0·48	79	Do.
Chester-le-Street	16,660	14·2	8·9	0·48	34	
Consett	12,370	16·8	9·7	1·62	77	Do.
Crook	11,270	14·9	9·9	—	—	
Felling.....	26,970	16·6	10·2	0·15	27	
Hebburn	23,900	16·9	8·4	0·69	89	
Hetton-le-Hole	18,270	19·5	8·8	0·66	45	Do. Do.
Houghton-le-Spring	11,120	20·1	10·4	0·29	36	Do. Do.
Leadgate.....	6,340	24·6	6·9	0·63	—	
Ryton	14,230	14·6	8·1	0·28	38	
Seaham Harbour	20,350	21·0	9·4	0·39	93	
Shildon	12,420	12·6	10·7	0·32	103	
Spennymoor	16,080	16·9	9·7	0·50	59	
Stanhope	1,670	19·1	14·3	—	125	
Stanley	24,370	16·6	7·6	1·15	69	Do. Do.
Tanfield	9,250	19·5	10·0	—	22	
Tow Law	3,550	13·5	13·5	1·12	250	
Washington	17,420	17·0	8·5	0·23	27	
Whickham	19,990	11·4	8·0	0·40	—	
Willington	8,850	14·0	10·0	0·91	64	
RURAL DISTRICTS.						
Auckland	52,130	17·0	10·2	0·38	50	
Barnard Castle	10,270	17·9	12·5	0·78	43	
Chester-le-Street	51,000	14·5	9·6	0·55	92	Do. Do.
Darlington	8,880	11·7	6·8	0·45	—	
Durham	31,430	15·9	9·4	0·13	56	
Easington	90,680	22·1	8·3	0·18	38	Do.
Hartlepool	2,610	10·8	4·6	—	—	
Houghton	27,660	16·5	8·1	0·43	61	Do. Do.
Lanchester	33,450	18·1	10·5	0·36	53	Do.
Sedgefield	36,820	14·7	8·8	0·65	37	Do. Do.
South Shields	21,090	13·5	9·3	—	70	
Stockton	6,720	11·3	10·7	—	—	
Sunderland	22,070	21·4	9·1	0·54	93	Do.
Weardale	8,370	16·7	9·6	0·96	86	

County Health Department,
Shire Hall, Durham,
5th October, 1934.

JAS. McINTYRE,
Deputy County Medical Officer.

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APPENDIX I.

PREVENTION OF TUBERCULOSIS.

QUARTER ENDED 30TH SEPTEMBER, 1934.

Statement of notifications of tuberculosis, in the different urban and rural districts in the county, and of treatment granted to new cases under the County Tuberculosis Scheme.

DISTRICT.	Notifications. Form A (Primary).		New Cases Treated.							
				Treatment Granted.						
	Pulmonary	Non-Pulmonary.	Number of New Cases.	San-atorium.	Hospital.	Dom-iciliary.	Dis-pensary.	Home (Non-insured Cases).	Ultra Violet Ray.	Surgical Appliances
1	2	3	4	5	6	7	8	9	10	11
URBAN.										
Durham Borough	4	2	3	1	—	1	—	1	—	—
Hartlepool Borough	5	2	3	3	—	—	—	—	—	—
Jarrow Borough	6	3	10	4	—	2	3	1	—	—
Stockton Borough	11	10	14	9	—	—	5	—	—	—
Annfield Plain	4	4	7	1	1	1	1	3	—	—
Barnard Castle	1	2	3	3	—	—	—	—	—	—
Benfieldside	3	1	3	1	1	1	—	—	—	—
Billingham	—	10	7	4	—	—	3	—	—	—
Bishop Auckland	4	1	3	3	—	—	—	—	—	—
Blaydon	2	8	9	4	3	—	1	—	1	—
Brandon and Byshottles	2	4	5	5	—	—	—	—	—	—
Chester-le-Street	—	3	2	2	—	—	—	—	—	—
Consett	2	1	3	2	1	—	—	—	—	—
Crook	2	1	3	1	—	—	1	1	—	—
Felling	2	2	6	3	—	1	—	2	—	—
Hebburn	7	10	14	5	1	1	4	2	1	—
Hetton-le-Hole	8	5	9	7	—	—	1	—	1	—
Houghton-le-Spring	—	2	5	4	—	—	1	—	—	—
Leadgate	2	—	3	—	—	1	1	1	—	—
Ryton	—	1	—	—	—	—	—	—	—	—
Seaham Harbour	3	4	9	6	—	—	3	—	—	—
Shildon	4	1	2	1	1	—	—	—	—	—
Spennymoor	4	5	10	7	—	1	2	—	—	—
Stanhope	1	—	—	—	—	—	—	—	—	—
Stanley	1	5	2	1	1	—	—	—	—	—
Tanfield	—	2	2	1	—	—	—	1	—	—
Tow Law	2	1	1	—	—	1	—	—	—	—
Washington	7	2	12	5	—	1	1	5	—	—
Whickham	1	2	2	1	—	1	—	—	—	—
Willington	—	—	2	2	—	—	—	—	—	—
Totals	88	94	154	86	9	12	27	17	3	—
RURAL.										
Auckland	7	4	7	7	—	—	—	—	—	—
Barnard Castle	1	—	2	1	—	—	1	—	—	—
Chester-le-Street	10	9	14	11	—	1	2	—	—	—
Darlington	—	2	1	—	—	—	1	—	—	—
Durham	9	1	13	11	—	1	—	1	—	—
Easington	11	15	21	12	1	1	5	1	1	—
Hartlepool	—	—	—	—	—	—	—	—	—	—
Houghton-le-Spring	4	6	9	4	3	—	2	—	—	—
Lanchester	2	2	8	4	1	—	—	3	—	—
Sedgefield	13	6	9	7	1	—	1	—	—	—
South Shields	5	5	8	6	—	1	—	—	1	—
Stockton	1	1	2	2	—	—	—	—	—	—
Sunderland	5	3	7	1	—	1	2	3	—	—
Weardale	1	—	1	1	—	—	—	—	—	—
Totals	69	54	102	67	6	5	14	8	2	—
Administrative County	157	148	256	153	15	17	41	25	5	—

APPENDIX II.

COUNTY HEALTH VISITORS.

STATEMENT OF WORK ACCOMPLISHED DURING THE QUARTER ENDED 30th SEPTEMBER, 1934.

Total number of health visitors on duty at the beginning of July	88	
Do. do. do. end of September	89	
Ante-natal—1st visits	798	
Revisits	455	
Births—1st visits	3527	
Revisits under 1 year	8800	
,, 1 to 2 years	6907	
,, 2 to 3 ,,	6805	
,, 3 to 4 ,,	6369	
,, 4 to 5 ,,	6968	
,, 5 to 6 ,,	197	
Uncertified midwives	8	
		40,834
Plus 1,475 attendances at child welfare centres × 19 visits		28,025
Maternity and Child Welfare Total		68,859

TUBERCULOSIS.

Tuberculosis—1st visits	379	
Re-visits	4,483	
		4,862
Plus 405 attendances at dispensaries × 19 visits		7,695
Tuberculosis Total		12,557

SCHOOL WORK.

School children (Home Visits)	4,346	
Schools	928	
		5,274
Plus Head to Head inspections days 53 × 19 visits		1,007
Plus 51 attendances at school clinics × 19 visits		969
Plus 16 days spent conducting children to special schools		304
School Work Total		7,554

Average daily number of visits per health visitor	19·1
Unclassified visits	3,803
Ineffective visits	4,497
Total number of visits (not including attendances at dispensaries, child welfare centres or ineffective visits)	54,773
Reported to district medical officers of health :—	
Overcrowding	198
Sanitary defects	278
	476

PART-TIME OFFICERS.	Total No. of Visits.	Attendances at Dispensaries.	Attendances at Child Welfare Centres.	Ineffective Visits.
Hartlepool Borough Health Visitors	73	13	—	—
Barnard Castle Urban District Nurse	249	—	4	2
Total	322	13	4	2

APPENDIX III.

STATEMENT AS TO THE POSITION OF HOUSING SCHEMES IN THE ADMINISTRATIVE COUNTY OF DURHAM.

(Information in Cols. 7–10 inclusive supplied by the respective District Councils).

Sanitary District.	Private families and dwellings, Census, 1931.					No. of houses in course of construction.		No. of houses completed since 1919.	
	Private families.	Population in Private families.	Structurally separate dwellings occupied	Rooms occupied	Persons per room.	By Private Persons	By the Local Authority.	By Private Persons	By the Local Authority.
1	2	3	4	5	6	7	8	9	10
URBAN.									
Durham	3956	14669	3148	14849	0·99	—	100	58	320
Hartlepool	4780	19694	4114	16824	1·17	2	—	31	360
Jarrow	7718	31486	7400	23806	1·32	2	78	98	784
Stockton	16164	65703	14916	69079	0·95	220	336	1849	1851
Annfield Plain	3887	15854	3609	12576	1·26	8	—	256	416
Barnard Castle	1062	3686	1042	5050	0·73	16	—	110	25
Benfieldside	2060	8277	1985	7789	1·06	49	20	196	206
Billingham	4198	17782	4018	18392	0·97	89	150	2290	918
Bishop Auckland	3091	11670	2979	12693	0·92	52	—	160	—
*Blaydon	7618	31837	7131	25146	1·27	35	—	614	1082
Brandon and Byshottles	4031	17021	3887	14080	1·21	4	—	37	337
Chester-le-Street	3971	15960	3788	14205	1·12	69	69	652	874
Consett	2875	12132	2691	10420	1·16	16	—	156	711
Crook	2936	11570	2866	10528	1·10	8	—	75	228
Felling	6591	26885	6297	20584	1·31	8	130	264	1012
Hebburn	5551	23581	5133	16433	1·43	68	50	192	763
Hetton-le-Hole	4090	17590	3861	14273	1·23	5	68	200	668
*Houghton-le-Spring	2544	10330	2423	8946	1·15	9	61	138	494
Leadgate	1441	6367	1365	4732	1·35	5	—	540	166
Ryton	3355	14068	3193	11812	1·19	6	—	365	410
Seaham Harbour	4645	19115	3607	14993	1·27	6	140	563	1266
Shildon	3327	12665	3292	12731	0·99	11	—	71	126
*Spennymoor	3881	15938	3703	14185	1·12	2	—	20	—
*Stanhope	442	1644	437	1814	0·91	—	—	—	—
Stanley	5956	24149	5434	19834	1·22	6	—	216	770
Tanfield	2272	9145	2176	7604	1·20	—	20	91	298
Tow Law	912	3535	898	2962	1·19	—	—	7	—
Washington	3844	16820	3709	13125	1·28	18	—	200	855
Whickham	5009	20289	4688	17550	1·16	114	74	747	848
Willington	2221	8946	2187	8102	1·10	6	—	43	312
RURAL.									
Auckland	13086	52795	12905	46534	1·13	31	—	296	177
Barnard Castle	2598	10045	2593	11335	0·89	8	—	73	20
Chester-le-Street	12462	52697	12026	43528	1·21	35	—	802	1515
Darlington	2163	8543	2110	10284	0·83	36	—	323	62
Durham	7524	30818	7203	26969	1·14	279	179	720	836
Easington	20068	87190	18276	67366	1·29	197	157	3788	2415
Hartlepool	760	3269	743	3601	0·91	3	2	86	—
*Houghton-le-Spring	6539	27165	6316	22536	1·21	12	22	485	808
Lanchester	7676	32809	7451	26894	1·22	9	118	943	838
Sedgefield	7991	34235	7769	30188	1·13	36	120	560	880
South Shields	5073	20133	4817	19737	1·02	27	—	1533	725
Stockton	1615	6466	1601	8266	0·78	23	—	202	—
Sunderland	4819	21231	4352	16137	1·32	12	50	134	600
Weardale	2266	8348	2264	8822	0·95	15	—	46	20
Totals	219068	904152	206403	787314	1·15	1557	1944	20230	24996

* No reply received this Quarter.

APPENDIX IV.

BACTERIOLOGICAL EXAMINATIONS.

Table giving particulars of specimens sent for examination during the quarter ended 30th September, 1934, in accordance with the arrangements made between the County Council and the Durham College of Medicine :—

District.	Enteric Fever.									Diphtheria.			Tuberculosis.		Tuberculosis.*		Miscellaneous.†		
	Typhoid.			Paratyphoid.															
				A.			B.												
	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Inconclusive.
URBAN.																			
Durham Borough	..	6	..	..	6	..	4	2	..	4	7	1	1	1	1	..	1	..	..
Hartlepool Borough	..	..	..	..	..	..	..	..	..	10	3	..	..	..	1	3	..	..	..
Jarrow Borough	..	..	..	..	..	..	..	..	..	1	7	..	1	6	2	8	..	..	..
Stockton Borough	..	..	..	..	..	..	..	..	..	1	6	..	4	18	6	37	..	..	..
Annfield Plain	..	..	..	..	..	..	..	..	..	5	26	..	1	8	1	4	..	..	..
Barnard Castle	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Benfieldside	..	1	..	..	1	..	1	..	..	3	17	..	1	2	1	2	..	..	..
Billingham	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	18	..	..	..
Bishop Auckland	..	..	..	..	..	..	..	..	..	..	1	..	2	3	3	5	..	..	..
Blaydon	..	1	..	..	1	..	..	1	..	..	7	..	..	6	..	6	..	..	..
Brandon and Byshottles	..	..	..	..	..	..	..	..	..	32	30	2	..	3	..	15	..	..	..
Chester-le-Street	..	1	..	..	1	..	..	1	..	6	19	2	..	3	1	4	..	..	..
Consett	..	..	..	..	..	..	..	..	..	7	29	..	..	2	..	2	..	..	..
Crook	..	1	..	..	1	..	..	1	..	1	..	1	1	3	1	..	..	..	..
Felling	..	..	..	..	..	..	..	..	..	1	2	..	2	3	1	2	..	..	..
Hebburn	..	..	..	..	..	..	..	..	..	4	27	..	1	4	4	4	..	..	..
Hetton-le-Hole	..	2	..	..	2	..	..	2	..	19	16	2	1	4	2	9	..	..	..
Houghton-le-Spring	..	..	..	..	..	..	..	..	..	5	10	..	..	1	3	3	..	..	..
Leadgate	..	..	..	..	..	..	..	..	..	3	..	..	..	1	3	..	..	..	..
Ryton	..	..	..	..	..	..	..	..	..	2	3	..	..	6	..	4	..	..	..
Seaham Harbour	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	11	..	..	..
Shildon	..	..	..	..	..	..	..	..	..	..	2	..	1	1	3	1	..	..	..
Spennymoor	1	..	..	1	..	..	1	..	..	1	3	..	..	..	..	8	..	..	..
Stanhope	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Stanley	..	..	..	..	..	..	..	..	..	2	5	1	..	2	1	7	..	..	..
Tanfield	..	..	..	..	..	..	..	..	..	..	3	..	..	..	2	5	..	..	..
Tow Law	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Washington	..	..	..	..	..	..	..	..	..	7	20	1	1	8	1	8	..	..	..
Whickham	..	1	..	..	..	..	..	1	..	2	5	..	1	4	1	6	..	..	..
Willington	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	2	..	..	..
RURAL.																			
Auckland	..	..	..	..	..	..	..	..	..	4	14	1	2	10	32	18	..	..	..
Barnard Castle	..	..	..	..	..	..	..	..	..	..	5	..	..	3	1	2	..	..	..
Chester-le-Street	..	..	..	..	..	..	..	..	..	18	14	1	1	6	5	22	..	2	..
Darlington	..	..	..	..	..	..	..	..	..	1	3	..	..	1	2	3	..	..	..
Durham	..	3	..	..	4	..	1	2	1	3	11	1	..	3	3	16	..	2	..
Easington	..	1	..	..	..	..	..	..	..	1	9	..	..	7	4	30	..	..	..
Hartlepool	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Houghton-le-Spring	..	..	..	..	..	..	..	..	..	9	9	2	1	2	1	10	..	..	..
Lanchester	2	19	..	..	21	..	15	6	..	13	17	..	1	4	2	1	1	..	..
Sedgefield	..	2	..	..	2	..	..	2	..	12	19	5	2	7	6	11	..	..	..
South Shields	..	..	..	..	..	..	..	..	..	2	1	..	1	3	5	4	..	..	..
Stockton	..	..	..	..	..	..	..	..	..	..	6	..	..	1	1	4	..	..	..
Sunderland	..	..	..	..	..	..	..	..	..	1	1	1	1	3	41	15	..	..	..
Weardale	1	2	..	..	3	..	..	3	..	..	3	..	1	1	..	..	..	..	..
Administrative County	4	40	..	1	42	..	22	21	1	183	362	21	29	146	144	311	2	4	..

* These are tuberculosis specimens taken at County Dispensaries, Hospitals and Sanatoria.

† This section is comprised of examinations receiving the special approval of the County Medical Officer for faeces and virulence tests.

APPENDIX V.

Table giving the number of cases of infectious diseases notified in each sanitary district during the quarter ended 30th September, 1934.

	Smallpox.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Erysipelas.	Pneumonia.	Malaria.	Dysentery.	Acute Polio-Encephalitis.	Cerebro Spinal Fever.	Encephalitis Lethargica.	Acute Polio-Myelitis.	*Chickenpox.
Urban Districts.																
Durham Borough	—	5	6	16	—	—	—	—	—	—	—	—	—	—	—	—
Hartlepool Borough	—	11	3	—	—	1	—	1	1	—	—	—	—	—	—	—
Jarrow Borough	—	12	—	—	—	—	—	10	17	—	—	—	—	—	—	—
Stockton Borough	—	144	8	2	2	4	2	6	16	—	—	—	1	—	—	—
Annfield Plain	—	14	31	1	—	—	—	1	1	—	—	—	—	—	—	—
Barnard Castle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Benfieldside	—	17	9	1	—	—	—	3	2	—	—	—	—	—	—	—
Billingham	—	34	15	—	—	—	2	2	3	—	—	—	—	—	—	—
Bishop Auckland	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Blaydon	—	43	6	—	—	1	—	3	4	—	—	—	—	—	—	—
Brandon and Byshottles	—	46	46	3	—	—	—	1	—	—	—	—	—	—	—	—
Chester-le-Street	—	19	10	1	—	—	1	2	3	—	—	—	—	—	—	—
Consett	—	19	38	—	—	—	—	1	—	—	—	—	—	—	—	—
Crook	—	11	4	1	—	—	—	4	—	—	—	—	—	1	—	—
Felling	—	23	1	—	—	—	—	3	1	—	—	—	1	—	—	—
Hebburn	—	23	6	—	—	—	1	2	5	—	—	—	—	—	—	—
Hetton-le-Hole	—	81	28	—	—	—	—	1	4	—	—	—	—	—	1	—
Houghton-le-Spring	—	50	66	—	—	1	—	2	4	—	—	—	—	—	—	—
Leadgate	—	7	11	—	—	1	—	—	2	—	—	—	—	—	—	—
Ryton	—	25	2	—	—	1	—	2	1	—	—	—	—	—	—	—
Seaham Harbour	—	40	1	—	—	—	1	4	7	—	—	—	—	1	1	—
Shildon	—	18	1	1	—	—	—	3	—	—	—	—	—	—	—	—
Spennymoor	—	14	3	—	—	—	—	2	1	—	—	—	—	—	—	—
Stanhope	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stanley	—	53	45	—	—	1	2	7	1	—	—	—	1	—	—	—
Tanfield	—	18	14	—	—	—	—	1	1	—	—	—	—	—	—	—
Tow Law	—	2	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Washington	—	26	16	—	—	—	—	4	1	—	—	—	—	—	—	—
Whickham	—	26	2	1	—	1	—	3	7	—	—	—	1	—	1	9
Willington	—	15	4	—	—	—	1	—	2	—	—	—	—	—	—	28
Rural Districts.																
Auckland	—	47	17	—	—	1	3	6	7	—	—	—	—	—	—	—
Barnard Castle	—	15	—	—	—	—	—	1	1	—	—	—	—	—	—	—
Chester-le-Street	—	107	45	—	—	1	—	14	10	—	—	—	—	—	—	—
Darlington	—	8	—	—	—	—	—	—	1	—	—	—	—	—	—	1
Durham	—	49	4	12	—	1	—	1	3	—	—	—	—	—	—	—
Easington	—	215	37	1	—	6	—	12	16	—	—	—	1	—	1	—
Hartlepool	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Houghton	—	79	31	—	—	—	2	4	11	—	—	—	—	—	—	—
Lanchester	—	61	28	20	1	1	1	5	6	—	—	—	—	—	—	—
Sedgefield	—	91	37	—	—	1	—	6	2	—	—	—	—	—	—	—
South Shields	—	13	3	—	1	2	—	2	2	—	—	—	—	—	—	—
Stockton	—	25	2	—	—	—	—	—	2	—	—	—	—	—	—	—
Sunderland	—	51	1	—	—	2	3	—	11	—	—	—	—	1	—	—
Weardale	—	12	—	1	—	—	—	3	—	—	—	—	—	—	—	—
Administrative County	—	1574	581	61	4	26	19	123	156	—	—	—	5	3	4	38

* Not notifiable throughout the whole administrative county.

APPENDIX VI.

TABLE OF ATTENDANCES OF MOTHERS AND INFANTS AT CHILD WELFARE CENTRES.

CENTRES.	No. on Books.				Attendances.								Consultations.							
					Number.				Average per Session.				Number.				Average per Session.			
		Children.				Children.				Children.				Children.				Children.		
	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.	Expectant Mothers.	Under 1 year.	Between 1—3 years.	Between 3—5 years.
Annfield Plain	83	171	209	124	82	484	316	87	6	15	9	3	82	474	311	87	6	14	9	3
Barnard Castle	5	28	83	—	1	110	134	—	—	18	23	—	1	88	98	—	—	15	16	—
Billingham	79	153	197	199	75	501	450	287	11	27	23	15	74	261	202	111	11	14	10	6
Birtley	74	157	206	144	62	418	291	126	6	16	11	5	62	396	287	126	6	15	11	5
Bishop Auckland	134	147	185	157	184	504	402	155	14	13	10	4	184	484	399	147	14	12	10	4
Blaydon	77	112	159	86	108	266	284	125	15	14	15	7	108	266	284	125	15	14	15	7
Boldon	45	110	112	27	57	400	179	13	8	23	11	1	57	381	178	13	8	22	11	1
Brandon	30	95	138	72	50	235	199	84	7	19	17	7	50	231	199	81	7	19	17	7
Burnhope	11	34	45	12	28	143	132	19	4	20	19	3	28	140	129	19	4	20	18	3
Burnopfield	10	41	65	53	16	98	94	49	2	7	7	3	16	97	93	49	2	7	7	3
Butterknowle	6	24	35	17	9	86	71	24	1	11	9	3	9	86	71	24	1	11	9	3
Castletown	9	27	46	40	18	121	133	77	3	17	19	11	18	98	101	66	3	14	15	9
Chester-le-Street	67	131	219	78	61	442	357	97	10	17	14	3	61	436	357	95	10	17	14	3
Chilton	13	35	72	28	13	101	131	24	2	9	12	2	13	101	129	24	2	9	12	2
Chopwell	56	77	94	77	50	226	175	99	8	8	7	4	50	224	169	99	8	8	7	4
Cockfield	9	26	49	18	4	69	85	14	—	5	6	1	4	69	83	14	—	5	6	1
Consett	62	205	174	159	72	522	182	85	10	16	6	3	72	507	181	84	10	16	6	3
Coundon	35	90	152	92	30	243	297	144	5	12	15	7	30	243	297	143	5	12	15	7
Coxhoe	21	83	87	42	16	227	125	42	3	19	10	4	16	218	123	41	3	18	10	4
Craghead	33	75	72	43	53	233	143	57	8	17	10	4	53	230	139	57	8	17	10	4
Crook	74	124	168	99	65	316	359	120	11	16	18	6	65	308	358	120	11	15	18	6
Dunston	52	116	91	60	58	276	153	78	8	15	9	4	58	276	153	78	8	15	9	4
Durham	102	182	171	91	112	550	235	108	9	17	8	3	112	541	233	107	9	17	8	3
Easington	35	132	143	92	25	367	164	77	4	19	9	4	25	324	157	75	4	17	8	4
Eighton Banks	—	38	39	20	—	99	65	22	—	16	11	4	—	93	64	22	—	15	11	4
Esh Winning	29	69	90	59	28	145	123	48	5	14	12	5	28	143	123	48	5	14	12	5
Felling	135	222	307	180	170	566	525	208	14	40	20	8	170	557	523	208	14	40	20	8
Ferryhill	84	106	165	69	103	295	249	55	15	18	15	3	103	294	249	55	15	18	15	3
Gainford	13	7	21	15	8	17	16	8	1	3	3	1	8	17	16	8	1	3	3	1
Grange Villa	61	128	183	62	104	382	337	54	15	21	19	3	104	379	336	54	15	21	19	3
Haverton Hill	40	96	131	131	46	400	381	196	7	21	20	10	46	239	220	118	7	12	12	6
Hetton	51	174	197	95	51	466	239	107	9	23	12	5	51	463	239	107	9	23	12	5
Horden	125	201	218	230	123	398	183	123	9	16	7	5	123	356	175	117	9	14	7	5
Houghton-le-Spring	139	209	328	210	139	558	428	182	11	15	11	5	139	557	428	182	11	15	11	5
Lanchester	5	21	29	23	3	82	38	21	1	14	6	4	3	82	38	21	1	14	6	4
Langley Park	14	44	68	35	24	146	130	43	3	11	9	3	24	134	128	42	3	10	9	3
Marley Hill	3	19	29	21	2	50	30	18	—	7	4	3	2	50	30	18	—	7	4	3
Middleton-in-Teesdale	11	15	30	13	8	25	39	11	1	4	6	2	8	24	32	11	1	4	5	2
Middleton-St.-George	2	19	35	34	1	52	66	64	—	8	9	9	1	23	33	29	—	6	8	7
Murton	81	128	164	104	54	303	172	50	9	15	9	2	54	263	168	49	9	13	9	2
New Herrington	45	60	129	91	57	309	270	40	8	24	21	3	57	303	267	38	8	23	21	3
Rowlands Gill	66	108	125	87	85	218	241	125	12	11	13	7	85	218	241	125	12	11	13	7
Ryhope	33	70	124	69	29	153	156	62	5	12	12	5	29	138	141	61	5	10	11	5
Ryton	49	111	140	42	82	385	222	57	14	19	11	3	82	383	221	57	14	19	11	3
Sacriston	39	98	115	77	42	324	235	113	7	16	12	6	42	300	216	105	7	15	11	5
Seaham Harbour	113	233	364	218	106	585	544	181	9	15	14	5	105	571	544	179	9	15	14	5
Sedgefield	16	32	33	21	12	43	36	11	2	7	6	2	12	43	36	11	2	7	6	2
Sherburn	28	51	53	27	25	144	86	21	4	24	14	4	25	140	85	20	4	23	14	4
Sherburn Hill	14	27	34	27	9	75	48	36	2	13	8	6	9	72	48	36	2	12	8	6
Shildon	61	147	219	128	57	502	400	144	10	16	13	5	57	440	376	131	10	14	12	5
Shotley Bridge	12	82	103	49	6	175	110	41	2	10	6	2	6	174	109	41	2	10	6	2
Shotton	50	118	140	105	78	256	138	55	11	14	8	3	78	250	137	53	11	14	8	3
Silksworth	35	90	127	92	39	346	252	113	6	19	14	6	39	287	232	92	6	16	13	5
South Hylton	13	29	47	29	21	84	95	45	3	12	14	6	21	73	85	41	3	10	12	6
South Moor	—	77	99	54	—	261	206	67	—	13	10	4	—	258	205	67	—	13	10	
Spennymoor	106	192	292	133	115	512	445	150	9	13	11	4	115	506	442	148	9	13	11	4
Stanhope	5	14	21	14	2	26	30	15	1	9	10	5	2	26	30	15	1	9	10	5
St. John's Chapel	4	11	25	14	4	14	18	9	1	2	3	2	4	14	18	9	1	2	3	2
Swalwell	18	48	49	27	18	124	87	28	3	10	7	3	18	124	87	28	3	10	7	3
Tanfield Lea	41	52	73	57	39	147	117	51	7	11	8	4	39	147	117	51	7	11	8	4
Thornley	16	71	48	22	17	204	64	19	3	17	5	2	17	178	61	19	3	15	5	2
Tow Law	14	32	73	43	7	130	196	91	1	9	14	7	6	129	193	90	1	9	14	7
Trimdon	41	88	76	42	79	207	106	26	13	17	9	2	79	176	92	24	13	14	8	2
Washington	88	169	202	160	93	483	323	156	13	26	17	8	93	483	323	156	13	26	17	8
West Auckland	35	95	136	80	35	273	283	105	5	15	16	6	35	273	283	103	5	15	16	6
West Stanley	83	145	182	125	107	367	263	101	9	15	11	4	107	358	263	101	9	15	11	4
Wheatley Hill	21	54	46	22	29	85	51	12	4	6	4	1	29	84	51	12	4	6	4	1
Whickham	24	42	35	18	37	123	103	20	5	18	14	3	37	117	98	20	5	17	14	3
Whitburn	18	36	34	16	13	121	79	12	2	17	11	2	13	96	69	10	2	13	10	2
Willington	29	79	94	42	34	232	177	64	5	17	12	5	33	215	159	58	5	16	11	4
Wingate	42	99	117	42	35	278	195	32	6	14	10	1	35	273	195	32	6	14	10	1
Winlaton	74	108	133	83	85	250	197	110	12	14	11	6	85	250	197	110	12	14	11	6
Witton Park	33	51	78	56	24	110	105	46	8	11	10	5	24	107	104	46	8	11	10	5
Wolsingham	5	7	23	11	6	12	26	6	2	4	9	2	6	12	26	6	2	4	9	2
Wooley Terrace	12	22	41	18	3	91	114	39	—	7	9	3	3	90	114	35	—	7	9	2
Totals	3198	6619	8636	5252	3543	18571	14130	5404	6	15	11	4	3539	17461	13398	5004	6	14	11	4

APPENDIX VII.

TIME-TABLE, Etc., OF CHILD WELFARE CENTRES IN THE ADMINISTRATIVE COUNTY OF DURHAM.

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
ANNFIELD PLAIN, Chapel Schoolroom, Catchgate.	27-3-17	Mrs. Gibbon, 4, Bethany Gardens, Annfield Plain.	Dr. Hopper.	Tues. weekly, all day. Fri. morning weekly, A.N. Clinic. Alt. Fri. afternoons.
*BARNARD CASTLE, Witham Hall.	Middle of 1916.	J. I. Dawson, Esq., U.D.C. Clerk's Office, Barnard Castle.	Dr. Welford.	Alt. Tues. afternoons.
BILLINGHAM, Welfare Hall.	—	Mrs. Child, 5, Redwing Lane, Norton-on-Tees.	Dr. V. Thompson.	Tues. weekly all day (alt. morning A.N. Clinic).
BIRTLEY, Hexham Villa.	19-11-18	Mrs. Gregg, 44, Queen Street, Birtley.	Dr. McVitie.	Alt. Mons. all day, A.N. Clinic. Wed. weekly, all day.
		Do.	Mr. H. A. Smith (Dentist).	Wed. morning monthly, Dental Clinic.
BISHOP AUCKLAND, "Ninefields."	1916.	Mrs. Proud, Osborne House, Cockton Hill Road, Bishop Auckland.	Dr. Watt.	Mons. weekly, all day (afternoon U.V. Ray Clinic). Wed., weekly, all day.
		Mrs. Bull, Ashby House, Cockton Hill Road, Bishop Auckland.		Fri. weekly, all day (morning A.N. Clinic) (afternoon U.V. Ray Clinic).
			Mr. T. H. Smailes (Dentist).	Alt. Fri. mornings, Dental Clinic.
BLAYDON, U.M. Schoolroom.	26-9-18	Mrs. Nicholson, 63, Theresa Street, Blaydon. (pro. tem.)	Dr. Williamson.	Thurs. weekly, all day (alt. mornings A. N. Clinic).
BOLDON COLLIERY, P.M. Schoolroom.	23-6-24	Mrs. Stewart, 1, Hedworth Lane, Boldon Colliery.	Dr. Jamieson.	Mons. weekly, all day (alt. afternoons A. N. Clinic).
BRANDON, P.M. Schoolroom, Langley Moor.	13-12-26	Mrs. Birch, South Waye, Darlington Road, Neville's Cross, Durham.	Dr. Brown.	Alt. Fri. all day. Alt. Fri. afternoons, A.N. Clinic.
BURNHOPE, New Miners' Hall.	30-11-22	Mr. Cook. 28, Pavilion Terrace, Burnhope.	Dr. Brown.	Alt. Fri. mornings.

* Voluntary Centre.
† The Centre hours are from 9-30—11.30 a.m. and from 1.30—3.30 p.m.

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
BURNOPFIELD, U.M. Schoolroom.	31-1-17	Mrs. Shepherd, 1, Holly Terrace, Crookgate, Banktop, Burnopfield.	Dr. Anderson.	Alt. Tues. all day.
BUTTERKNOWLE, Wesleyan School-room, Main Street.	4-9-30	Mrs. Liddle, Greta House, West View, Butterknowle.	Dr. Henegan.	Thurs. all day, every 4 weeks.
CASTLETOWN, Miners' Welfare Hall.	12-11-26	Mrs. Thompson, Post Office, Castletown.	Dr. M. Bainbridge.	Alt. Mon. afternoons.
CHESTER-LE-STREET, Mains Farm House.	8-10-19	Mrs. Surtees, Bank House, Chester-le-Street.	Dr. McVitie.	Alt. Tues. mornings, A.N. Clinic. Fri. weekly, all day.
CHILTON, P.M. Schoolroom.	21-1-25	Mrs. Richardson, 75, South View, Windlestone, Ferryhill.	Dr. Anderson.	Alt. Wed., all day.
CHOPWELL, St. John's Church Hall.	18-7-23	Mrs. Elsbury, 3, Thames Street, Chopwell.	Dr. Hopper.	Thurs. weekly, all day. Alt. Wed. afternoons, A.N. Clinic.
COCKFIELD, P.M. Schoolroom.	26-10-26	Mrs. Stephenson, 5, Alpine Terrace, Cockfield.	Dr. Henegan.	Alt. Mons., all day.
CONSETT, Wetherell House.	26-4-21	Mrs. Thompson, 10, Ellison Street, Consett.	Dr. Hopper.	Mons. weekly, all day. Alt. Wed., all day (morning A.N. Clinic).
		Do.	Mr. Peters (Dentist).	Wed. afternoon every 4 weeks, Dental Clinic.
COUNDON, Wesleyan Schoolroom.	18-6-26	Mrs. E. D. Leedale, 3, Croft Terrace, Coundon, Bp. Auckland.	Dr. Henegan.	Fri. weekly, all day (alt. mornings, A.N. Clinic).
COXHOE, P.M. Schoolroom.	9-8-23	Mrs. Saint, Garmondsway House, Coxhoe.	Dr. E. Patterson.	Alt. Thurs., all day.
CRAGHEAD, Hedley Memorial Hall.	25-6-23	Mrs. Robinson, 9, William Street, Craghead.	Dr. McVitie.	Alt. Mons., all day.
CROOK, Church Hall.	16-9-18	Miss M. Moore, Hardy Terrace, Crook.	Dr. Henegan	Tues., weekly, all day (alt. mornings A.N. Clinic).

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
DUNSTON, Brompton House.	1-10-31 (taken over by County)	Mrs. Low, Kinross, Dunston Road, Dunston.	Dr. Williamson.	Mons. weekly, all day (morning U.V. Ray Clinic). Fri. weekly, all day (morning U.V. Ray Clinic) (alt. afternoons A.N. Clinic).
DURHAM, 14, Old Elvet.	17-2-15	Miss Bramwell, 10, South Bailey, Durham.	Dr. M. Bainbridge.	Tues. weekly, all day. Fri. mornings weekly (A.N. Clinic). Alt. Fri. afternoons.
		Do.	Mr. W. Moss, (Dentist).	Alt. Fri. mornings, Dental Clinic.
EASINGTON, Parish Hall.	7-2-24	Mrs. Davison, 1, Office Street, Easington Colliery.	Dr. M. Bainbridge.	Wed. weekly, all day (alt. afternoons A.N. Clinic).
EIGHTON BANKS, SPRINGWELL AND VALE MINERS' WELFARE. Springwell Road, Wrekenton.	9-9-30	Mrs. Brewis, Long Acre Farm, Birtley.	Dr. McVitie.	Alt. Tues. afternoons.
ESH WINNING, 10, Wood View.	8-4-24	Mrs. Ivey, 31, Durham Road, Esh Winning.	Dr. M. Bainbridge.	Alt. Mons. all day. Alt. Fri. afternoons A.N. Clinic.
FELLING, St. Alban's Villa.	20-9-18	Mrs. Murphy, Nursery Villa, Nursery Lane, Felling.	Dr. Jamieson.	Wed. weekly, all day (alt. days A.N. Clinic and Babies). Fri. weekly, all day (1-5 children).
		Mrs. Johnson, 7, Werhale Green, Felling.	Mr. Peters (Dentist).	Wed. morn. every 4 weeks Dental Clinic.
FERRYHILL, P.M. Schoolroom. Dean Bank.	12-7-20	Mrs. Barron, 10, Neale Street, Dean Bank, Ferryhill.	Dr. Brown.	Mons. weekly, all day (alt. mornings A. N. Clinic).
GAINFORD, Montalbo Rooms.	22-9-30	Mrs. Stevens, The Rabbitries, Gainford.	Dr. Henegan.	Mons. all day, every 4 weeks.
GRANGE VILLA, Miners' Welfare Hall, Beamish.	17-9-25	Mrs. Lawson, Woodside, Beamish.	Dr. Brown.	Wed. weekly, all day (alt. morning A.N. Clinic).
HAVERTON HILL, Wesleyan Schoolroom, Hope Street.	Nov., 1914	Mrs. Taylor, 17, Hood Crescent, Haverton Hill.	Dr. V. Thompson.	Thurs. weekly, all day (alt. mornings A. N. Clinic).
HETTON, Ambulance Rooms.	17-10-23	Mrs. Williams, Burdon House, Hetton-le-Hole.	Dr. Raw.	Tues. weekly, all day (alt. mornings A. N. Clinic).

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
HORDEN, Third Street.	16-3-21	Mrs. Varley, 1, East View, Horden.	Dr. V. Thompson.	Mons. weekly all day (afternoons U.V. Ray Clinic). Alt. Wed., all day, A.N. Clinic. Fri. weekly, all day (aft. U.V. Ray Clinics.)
		Do.	Mr. S. Todd (Dentist).	Mon. mornings, monthly, Dental Clinic.
HOUGHTON-LE-SPRING, Newbottle Street.	19-1-20	Mrs. Fletcher, Whitefield, Houghton.	Dr. Raw.	Mons. weekly, all day (afternoons U.V. Ray Clinic). Wed. weekly, all day. Thurs. weekly, all day (afternoon U. V. Ray Clinic, mornings A. N. Clinic).
		Do.	Mr. S. Todd (Dentist).	Alt. Mons., mornings, Dental Clinic.
LANCHESTER, Guardians' Offices.	5-9-30	Mrs. Hope, West Park, Lanchester.	Dr. Hopper.	Alt. Fri. afternoons.
LANGLEY PARK, Wesleyan Methodist Schoolroom.	5-1-25	Mrs. Westthorp, Wallnook, Langley Park.	Dr. McVitie.	Alt. Tues., all day.
MARLEY HILL, Miners' Welfare Hall.	1-10-31 (taken over by County)	Mrs. E. Ridler, Riding Barns Cottage, Fellside, Whickham.	Dr. Jamieson.	Alt. Tues. mornings.
MIDDLETON-IN-TEESDALE, Wesleyan Schoolroom.	18-9-30	Mrs. Dawson, Burnbrae, Bridge Road, Middleton-in-Teesdale.	Dr. Henegan.	Thurs. all day, every 4 weeks.
MIDDLETON-ST.-GEORGE, Women's Institute Hut.	14-3-23	Mrs. Haig, Church Lane, Middleton-St.-George.	Dr. Henegan.	Mons. morning, every 4 weeks. Alt. Mons., afternoons.
MURTON, Church Hall.	30-3-26	Mrs. McIntyre, The Surgery, Murton.	Dr. Blacklay.	Tues. weekly, all day (alt. mornings, A.N. Clinic).
NEW HERRINGTON, Y.M.C.A. Hut.	2-9-30	Mrs. Gibson, Cross House, Philadelphia.	Dr. Brown.	Alt. Tues., all day.
ROWLANDS GILL, Miners' Welfare Hall.	8-10-24	Mrs. Easter, Khyber, Taylor Avenue, Rowlands Gill.	Dr. Williamson.	Wed. weekly, all day (alt. afternoons A.N. Clinic).

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
RYHOPE, 12, Gordon Terrace,	7-11-18	Mrs. Hindmarsh, Church Cottage, Ryhope.	Dr. Blacklay	Alt. Thurs., all day. Alt. Thurs. mornings, A.N. Clinic.
RYTON, Wesleyan Methodist Schoolroom, Lanehead.	22-11-26	Mrs. Nicholson, 5, Alexandra Gardens, Crookhill, Ryton-on-Tyne.	Dr. Jamieson.	Thurs. weekly, all day (alt. afternoons A.N. Clinic).
SACRISTON, Wesleyan Schoolroom.	25-10-23	Mrs. Davidson, Dunedin, Findon Hill, Sacriston.	Dr. McVitie.	Thurs. weekly, all day (alt. mornings A. N. Clinic).
SEAHAM HARBOUR, Londonderry Road.	19-1-21	Mrs. Ellis, Palatine Hotel, Sunderland.	Dr. Blacklay.	Mons., weekly, all day (mornings A. N. Clinic). Fri., weekly, all day.
		Do.	Mr. R. D. Sibson (Dentist).	Mon. mornings, every 4 weeks, Dental Clinic.
SEDGEFIELD, Parish Hall.	19-9-30	Mrs. Hindhaugh, Connor Lodge, Sedgefield.	Dr. Anderson.	Fri. all day, every 4 weeks.
SHERBURN, Sherburn House, Miners' Welfare Hall.	9-9-30	Mrs. Kidd, 6, Hallgarth Lane, Pittington.	Dr. Brown.	Alt. Tues. afternoons.
SHERBURN HILL, Miners' Welfare Hall.	9-9-30	Mrs. H. Smith, 13, Lambton Terrace, Sherburn Hill.	Dr. Brown.	Alt. Tues. mornings.
SHILDON, Wesleyan Schoolroom, Soho Street.	19-1-21	Mrs. Myers, 38 Dale Road, Shildon.	Dr. Watt.	Alt. Tues., all day (afternoon A.N. Clinic). Thurs. weekly, all day.
SHOTLEY BRIDGE, Old Schoolroom, Cutler's Hall Rd., Blackhill.	Autumn, 1915.	Mrs. E. Hetherington, 57, Durham Road, Blackhill.	Dr. Anderson.	Alt. Tues. all day. Fri., all day, every 4 weeks (morning A. N. Clinic).
SHOTTON, Dene Street.	16-11-21	Mrs. Sweeting, 3, Lyons Terrace, Shotton Colliery.	Dr. M. Bainbridge.	Thurs. weekly, all day (alt. morning A.N. Clinic).
SILKSWORTH, The Mission Room.	3-3-26	Mrs. Blunden, 10, Pit Row, New Silksworth.	Dr. Blacklay.	Wed. weekly, all day (alt. mornings A. N. Clinic).
SOUTH HYLTON, National School.	1-9-30	Mrs. Hitchcock, St. Mary's Vicarage, South Hylton.	Dr. M. Bainbridge.	Alt. Mon. mornings.
SOUTH MOOR, Church Institute.	3-5-28	Mrs. Tucker, 82, Newburn Road, Shield Row. Stanley.	Dr. Anderson.	Alt. Thurs., all day. Alt. Fri. mornings.
SPENNYMOOR, P.M. Schoolroom.	22-7-20	Mrs. McNulty, 98, Durham Road, Spennymoor.	Dr. E. Patterson.	Wed. weekly, all day. Fri. weekly, all day (morning A.N. Clinic).

Address of Centre.	When first opened.	Honorary Secretary.	Medical Officer.	† Day Open.
STANHOPE, P.M. Schoolroom.	22-4-25	Miss Heatherington, Belmont House, Crawleyside.	Dr. Henegan.	Thurs. afternoon, every 4 weeks.
ST. JOHN' CHAPEL, P.M. Schoolroom.	28-1-32	Mrs. Rowntree, Station House, Wearhead, (pro. tem).	Dr. Henegan.	Thurs. all day, every 4 weeks.
SWALWELL, Church Hall.	1-10-31 (taken over by County)	Mrs. Dixon, 47, Richmond Avenue, Swalwell.	Dr. Jamieson.	Alt. Tues., all day (mornings every 4 weeks A.N. Clinic).
TANFIELD LEA, Wesleyan Schoolroom.	6-1-26	Mrs. Keeler, The Bungalows, Tanfield Lea.	Dr. Anderson.	Alt. Wed., all day. Alt. Fri. afternoons, A.N. Clinic.
THORNLEY, Old Literary Institute.	6-3-34	Mrs. Bosomworth, 4, Moor View, Thornley Colliery.	Dr. E. Patterson.	Alt. Tues. all day.
TOW LAW, Masonic Hall.	10-2-25	Mrs. Moses, 8, Bridge Street, Tow Law.	Dr. E. Patterson.	Alt. Mons. all day.
TRIMDON, Church Institute, Deaf Hill.	13-7-22	Mrs. Pringle, Commercial Street, Trimdon Station.	Dr. V. Thompson.	Alt. Weds., all day. (mornings A.N. Clinic).
		Do.	Mr. G. E. Soper (Dentist).	Wed. afternoons every 4 weeks Dental Clinic.
WASHINGTON, New Welfare Miners' Hall, New Washington.	19-7-22	Miss Dryden, Hill House Farm, Washington Village.	Dr. Raw.	Fri. weekly, all day (alt. mornings A. N. Clinic).
WEST AUCKLAND, Memorial Hall.	25-11-26	Mrs. Macpherson, 1, Eden Crescent, West Auckland.	Dr. Henegan.	Wed. weekly, all day (alt. afternoons A.N. Clinic).
WEST STANLEY, Holmside House.	4-9-16	Mrs. E. Charlton, 5, Simpson Street, West Stanley.	Dr. Anderson.	Mons. weekly, all day. Alt. Thurs., all day, A.N. Clinic.
		Mrs. Brass, 3, Duke Street, Catchgate, Annfield Plain.	Mr. Peters (Dentist).	Thurs. mornings every 4 weeks Dental Clinic.
WHEATLEY HILL, Church Hall.	7-3-24	Mrs. Casey, The Vicarage, Wheatley Hill.	Dr. E. Patterson.	Alt. Tues., all day (mornings A.N. Clinic).
WHICKHAM, Miners' Welfare Hall.	1-10-31 (taken over by County)	Mrs. Smith, Stronsay, Whickham.	Dr. Jamieson.	Alt. Tues. afternoons

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WHITBURN, Old Church Schools.	22-2-26	Mrs. Brown, 16, Percy Terrace, Whitburn.	Dr. Blacklay.	Alt. Thurs. afternoons.
WILLINGTON, Parish Hall.	1-5-22	Mrs. Gardner, North Dene, Willington.	Dr. E. Patterson.	Alt. Thurs. all day.
WINGATE, Front Street.	3-11-24	Mrs. M. E. Scott, 8, Millbank Terrace, Station Town, Wingate.	Dr. Brown.	Thurs. weekly, all day (alt. afternoons, A.N. Clinic).
WINLATON, British Legion Hut.	11-12-30	Mrs. Storey, Ardlui, Tynevale Avenue, Winlaton.	Dr. Williamson.	Tues. weekly, all day (alt. afternoons, A.N. Clinic).
WITTON PARK, War Memorial Hut.	8-4-25	Mrs. Whitton, Black Road, Witton Park.	Dr. E. Patterson.	Alt. Mons., all day (afternoon every 4 weeks A.N. Clinic).
WOLSINGHAM, Wesleyan Schoolroom.	14-12-22	Mrs. Dowson, High Street, Wolsingham.	Dr. Henegan.	Thurs. morning every 4 weeks.
WOOLEY TERRACE, P.M. Schoolroom.	18-10-26	Mrs. Armstrong, 1, Co-operative Terr., Wooley Terrace, Nr. Crook.	Dr. Watt.	Alt. Tues., all day.

† The Centre hours are from 9-30—11-30 a.m., and from 1-30—3-30 p.m.

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